

The diagram illustrates a medical device 1, which is a catheter-based system. The device consists of a handle assembly 12, a shaft 11, and a distal tip 4. The handle assembly includes a motor 28 and a control knob 24. The shaft 11 is connected to the handle assembly and extends to the distal tip 4. The distal tip 4 includes a sensor 36 and a control knob 24. The device is shown in a cross-sectional view, with the handle assembly 12, shaft 11, and distal tip 4 labeled. The handle assembly 12 includes a motor 28, a control knob 24, and a handle 12. The shaft 11 is connected to the handle assembly and extends to the distal tip 4. The distal tip 4 includes a sensor 36 and a control knob 24. The device is shown in a cross-sectional view, with the handle assembly 12, shaft 11, and distal tip 4 labeled.

The control system is shown in a block diagram. It includes a system controller 29, a transmitting and receiving unit 27, a frame memory 30, a DSC 31, a D/A 32, and a monitor 5. The system controller 29 is connected to the transmitting and receiving unit 27, the frame memory 30, the DSC 31, and the D/A 32. The transmitting and receiving unit 27 is connected to the frame memory 30. The frame memory 30 is connected to the DSC 31. The DSC 31 is connected to the D/A 32. The D/A 32 is connected to the monitor 5. The system controller 29 is also connected to the handle assembly 12 via a cable 33.

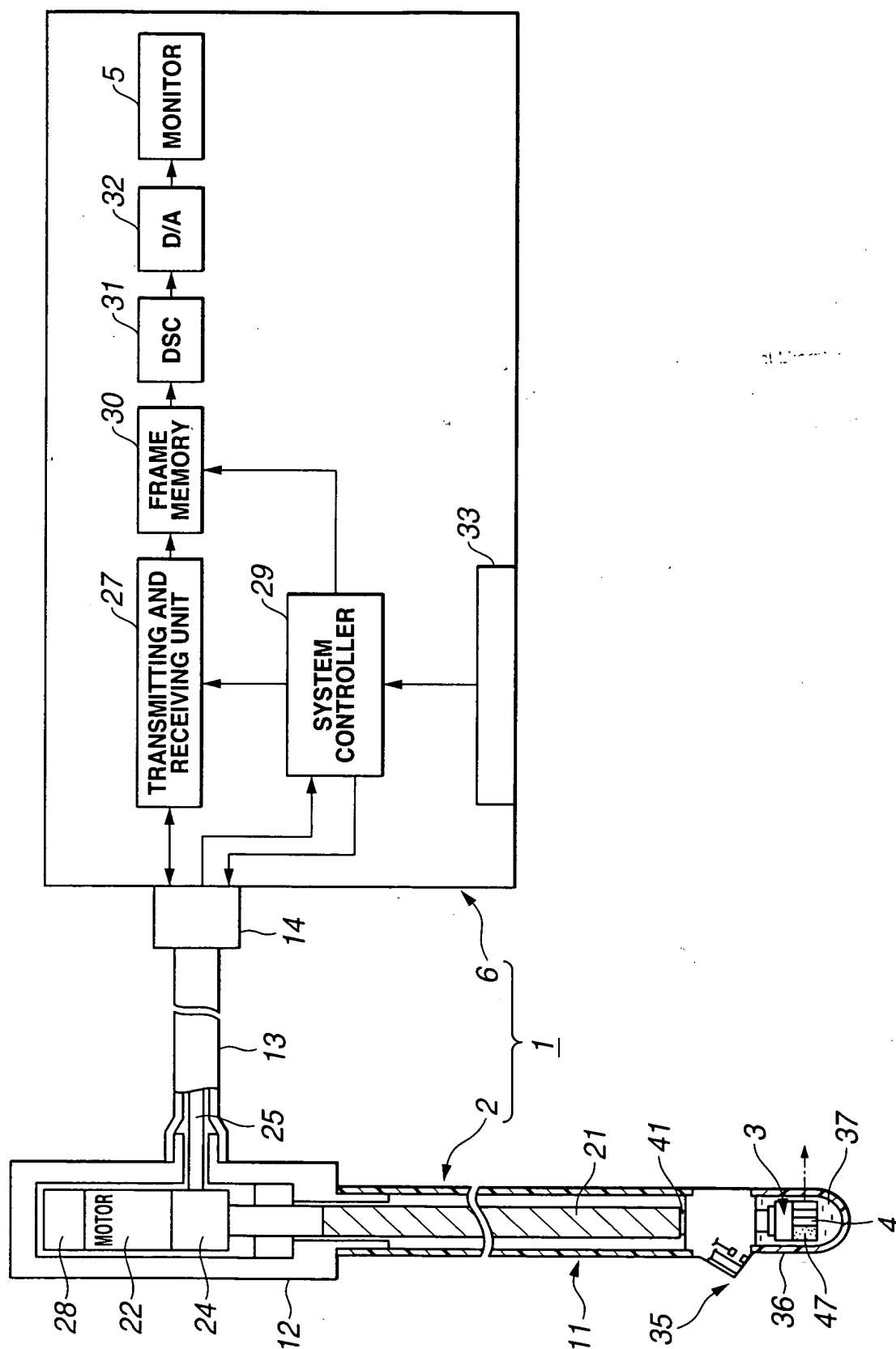


FIG.2

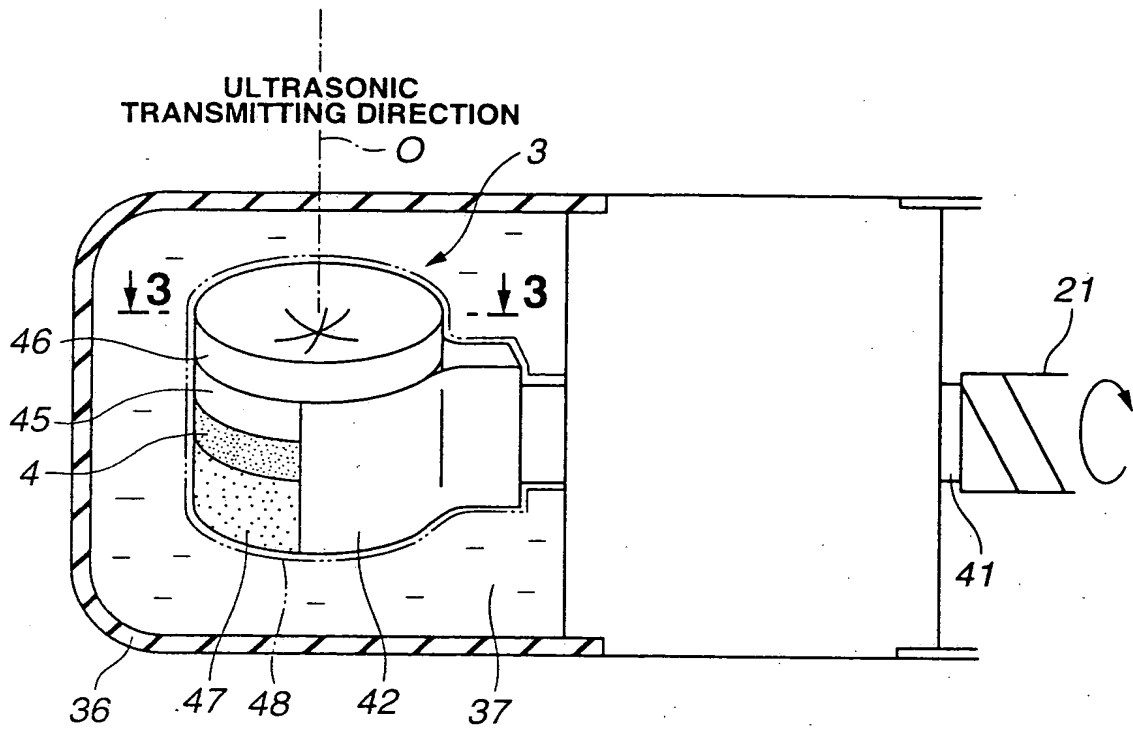


FIG.3

